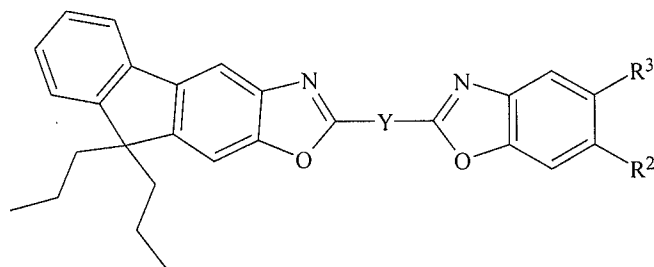
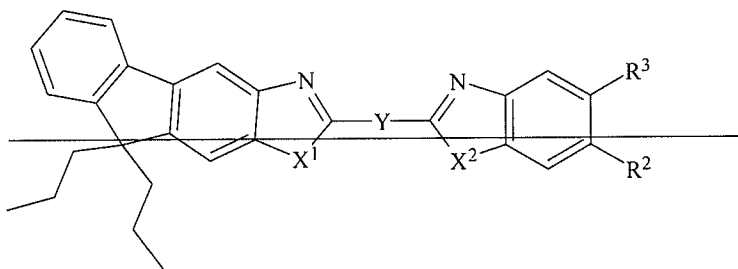


## AMENDMENT

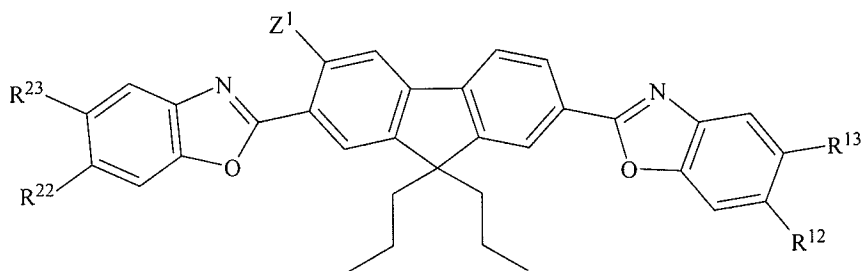
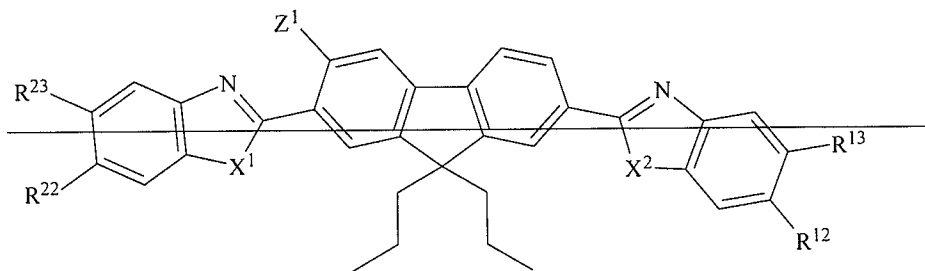
### Listing of Claims:

The following listing of claims replaces all previous listings or versions thereof:

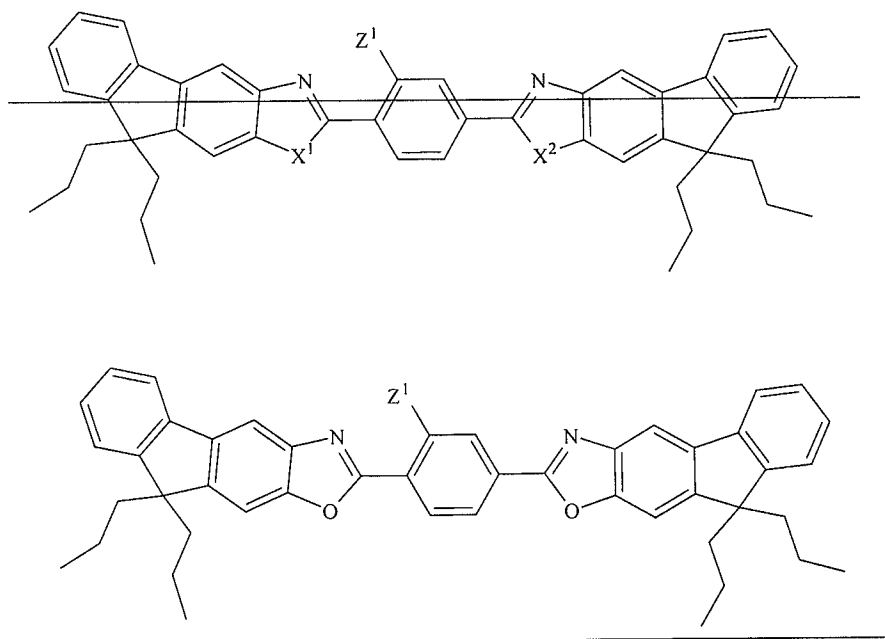
1. (Currently amended) A compound having one of the following formulae:



or



or



wherein:

~~X<sup>1</sup> and X<sup>2</sup> are independently selected from NH, S or O;~~

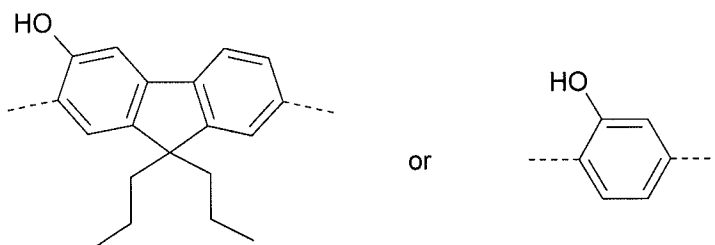
-Z<sup>1</sup> is -OH, -SH, a primary or secondary amine;

Y is an aromatic, carbocyclic or heterocyclic moiety substituted at least once with OH and optionally substituted with SH, primary, secondary or tertiary amine, nitro, nitroso, halogen, a substituted or unsubstituted, straight or branched C<sub>1-22</sub> alkyl, C<sub>2-22</sub> alkene, C<sub>2-22</sub> alkyne, phenyl, C<sub>3-6</sub> cycloalkyl;

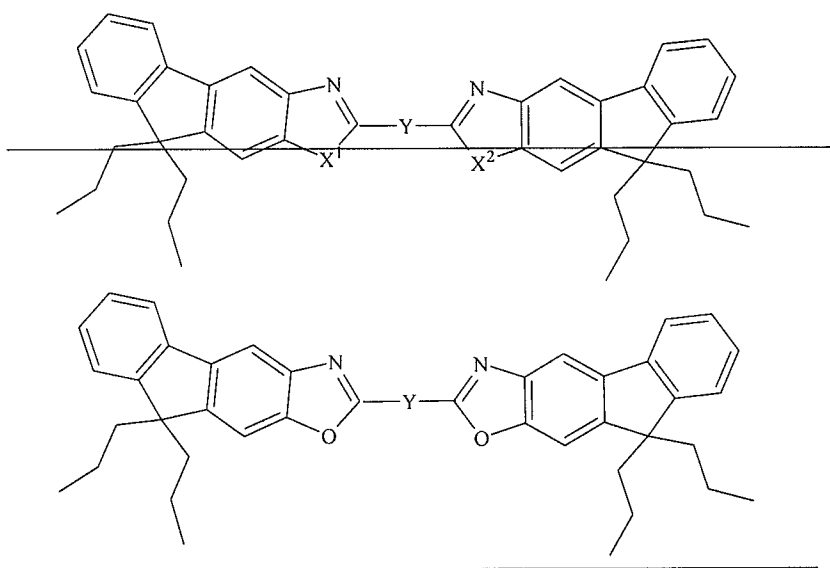
R<sup>22</sup>, R<sup>23</sup>, R<sup>12</sup> and R<sup>13</sup> are independently a substituted or unsubstituted, straight or branched C<sub>1-22</sub> alkyl, C<sub>2-22</sub> alkene, C<sub>2-22</sub> alkyne, phenyl, C<sub>3-6</sub> cycloalkyl, or at least one of the pairs R<sup>22</sup> and R<sup>23</sup> or R<sup>12</sup> and R<sup>13</sup> forms an aromatic or non-aromatic 1 to 3 ring cyclic moiety;

R<sup>2</sup> and R<sup>3</sup> are independently a substituted or unsubstituted, straight or branched C<sub>1-22</sub> alkyl, C<sub>2-22</sub> alkene, C<sub>2-22</sub> alkyne, phenyl, C<sub>3-6</sub> cycloalkyl, or together form an aromatic or non-aromatic 1 to 3 ring cyclic structure.

2. (Currently amended) The compound of claim 1, wherein Y is chosen from:

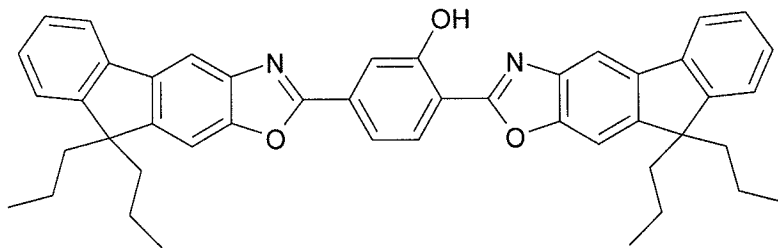


3. (Currently amended) The compound of claim 1, wherein the compound has the formula:



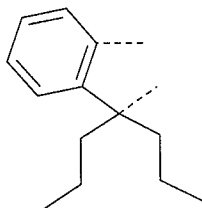
in which Y is an aromatic, carbocyclic or heterocyclic moiety substituted at least once with OH and optionally substituted with SH, primary, secondary or tertiary amine, nitro, nitroso, halogen, a substituted or unsubstituted, straight or branched C<sub>1-22</sub> alkyl, C<sub>2-22</sub> alkene, C<sub>2-22</sub> alkyne, phenyl, and C<sub>3-6</sub> cycloalkyl, ~~and X<sup>1</sup> and X<sup>2</sup> are independently selected from NH, S or O.~~

4. (Currently amended) The compound according to claim 1, further defined as 1,4-bis(9,9-dipropyl-9H-fluoreno[3,2-d]oxazol-2-yl)-2-hydroxyphenyl of formula:



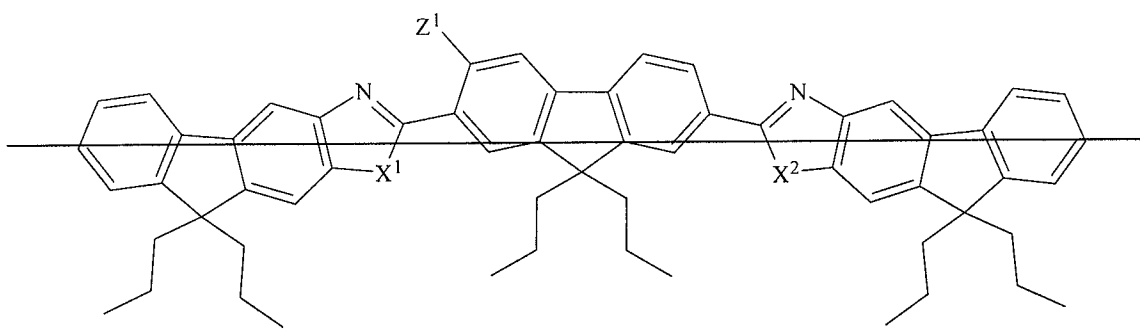
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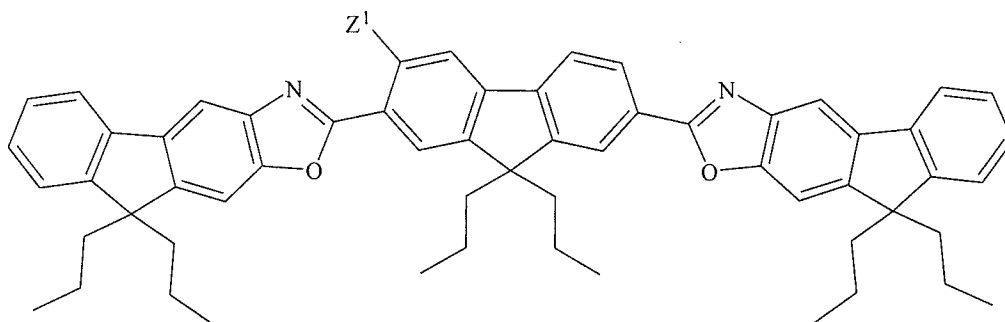
5. (Currently amended) The compound according to claim 1, wherein at least one of the pairs  $R^{22}$  and  $R^{23}$  or  $R^{12}$  and  $R^{13}$  form:



:

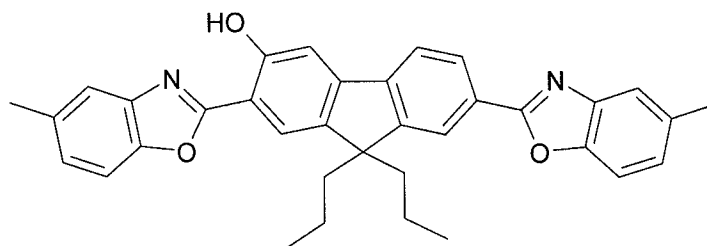
6. (Currently amended) The compound according to claim 5, wherein the compound has the formula:



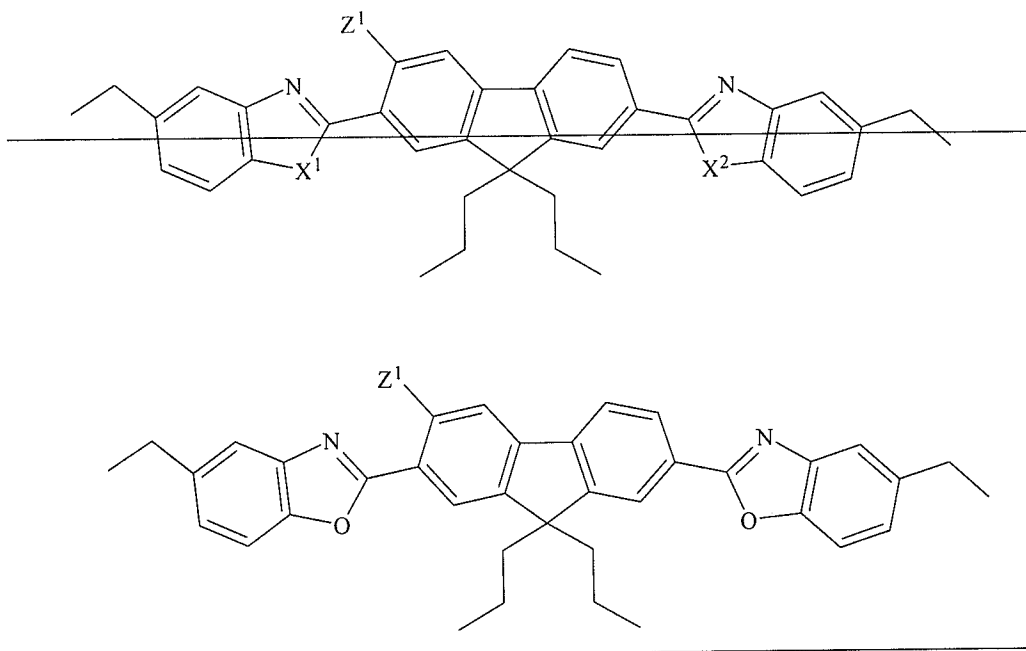


in which ~~X<sup>1</sup> and X<sup>2</sup> are independently selected from NH, S or O, and~~ -Z<sup>1</sup> is -OH, -SH, a primary or secondary amine.

7. (Currently amended) The compound according to claim 1, further defined as 2,7-bis(5-methylbenzoxazol-2-yl)-9,9-dipropyl-3-hydroxyfluorene of formula:



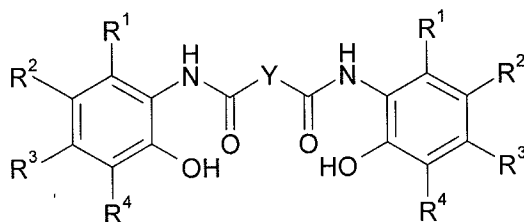
8. (Previously presented) The compound according to claim 1 having the formula:



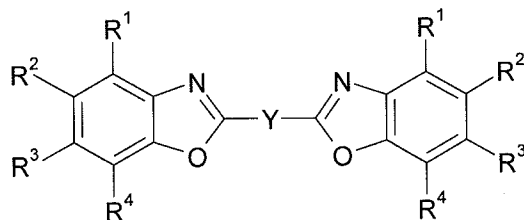
in which  $X^1$  and  $X^2$  are independently selected from NH, S or O, and  $Z^1$  is -OH, -SH, a primary or secondary amine.

9. (Currently amended/Withdrawn) ~~A~~The compound according to claim 1, further defined as being incorporated into a polymer blend comprising a polymeric material and a compound according to claim 1.
10. (Currently amended/Withdrawn) The ~~polymer blend~~compound of claim 9, wherein said polymeric material is polycarbonate or CR-39<sup>®</sup>.
11. (Canceled)
12. (Currently amended/Withdrawn) A method for manufacturing an optical lens, comprising molding the ~~polymer blend~~compound according to claim 9 into a desired shape to produce an optical lens.
13. (Withdrawn) The method of claim 12, wherein said molding step is injection molding.

14. (Currently amended/Withdrawn) ~~An~~ The compound according to claim 1, further defined as being incorporated in an organic glass substrate having incorporated therein a compound according to claim 1.
15. (Currently amended/Withdrawn) ~~The organic glass substrate compound~~ of claim 14, wherein the substrate is chosen from polycarbonates, the substrates obtained by polymerization of alkyl methacrylates, allyl derivatives such as the allyl carbonates of linear or branched aliphatic or aromatic polyols, thio(meth)acrylics, thiourethanes, polyethoxylated aromatic (meth)acrylates such as the polyethoxylated bisphenolate dimethacrylates.
16. (Currently amended/Withdrawn) ~~The organic glass substrate compound~~ of claim 14, wherein the substrate is obtained by polymerization of ethylene glycol bis(allyl carbonate).
17. (Currently amended/Withdrawn) A method comprising the steps of preparing an intermediate compound of formula:



and reacting said compound under suitable conditions and with suitable reagents to form a compound of formula:



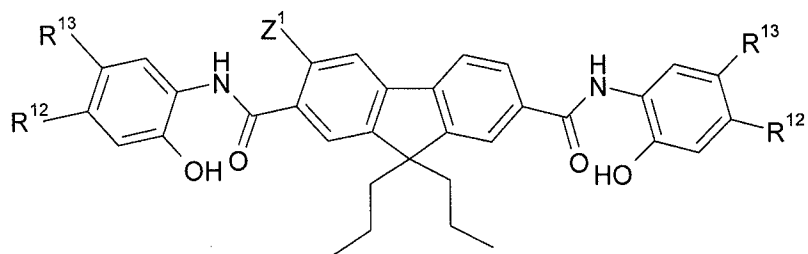
wherein:

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are independently selected from H, alkyl (C<sub>1</sub>-C<sub>8</sub>), alkoxy (C<sub>1</sub>-C<sub>8</sub>), acyl (-C(O)R; R = alkyl C<sub>1</sub>-C<sub>8</sub>), acetoxy (-OC(O)R; R = alkyl C<sub>1</sub>-C<sub>8</sub>), carboxylic acid and esters (-CO<sub>2</sub>R = H or alkyl of C<sub>1</sub>-C<sub>8</sub>), amine (NR<sub>2</sub>; R = H or alkyl C<sub>1</sub>-C<sub>8</sub>), nitro, nitroso, cyano, halogen (Cl, Br, I or F), substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, amide (-C(O)NR<sub>2</sub> R = H or alkyl C<sub>1</sub>-C<sub>8</sub>), substituted or unsubstituted heterocyclic, substituted or unsubstituted benzannulated heterocyclic and substituted or unsubstituted arylannulated heterocyclic, or wherein:

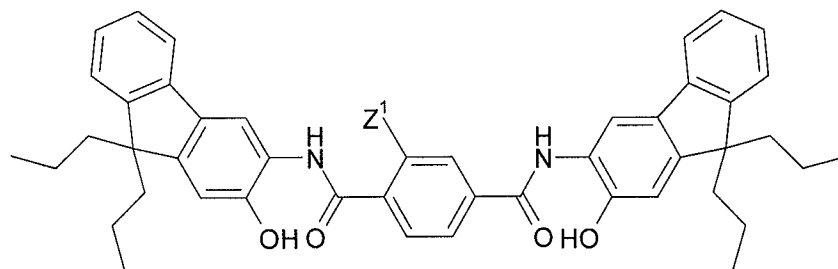
$R^1$  and  $R^2$  or  $R^2$  and  $R^3$  or  $R^3$  and  $R^4$  together form a carbocyclic ring, substituted or unsubstituted and fused carbocyclic ring, substituted or unsubstituted benzannulated carbocyclic and substituted or unsubstituted arylannulated carbocyclic; and  $R^5, R^6, R^7$  and  $R^8 = H$ , alkyl ( $C_1-C_8$ ), alkoxy ( $C_1-C_8$ ), acyl ( $-C(O)R$ ;  $R = \text{alkyl } C_1-C_8$ ), acetoxy ( $-OC(O)R$ ;  $R = \text{alkyl } C_1-C_8$ ), carboxylic acid and esters ( $-CO_2R = H$  or alkyl of  $C_1-C_8$ ), amine ( $-NR_2$ ;  $R = H$  or alkyl  $C_1-C_8$ ), nitro, nitroso, cyano, halogen ( $Cl, Br, I$  or  $F$ ), substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, amide ( $-C(O)NR_2$ ;  $R = H$  or alkyl  $C_1-C_8$ ), substituted or unsubstituted heterocyclic, substituted or unsubstituted benzannulated heterocyclic and substituted or unsubstituted arylannulated heterocyclic.

- 
- The chemical structure shows two fluorenyl groups, each consisting of a benzene ring fused to a five-membered ring, which is further substituted with two ethyl groups. The fluorenyl groups are connected via amide linkages to a central Y group. The amide groups are represented as  $\text{NH-C(=O)-Y-C(=O)-NH-}$ , with the fluorenyl groups attached to the nitrogen atoms. The fluorenyl groups are also substituted with a hydroxyl group ( $\text{OH}$ ) and a carbonyl group ( $\text{C=O}$ ).

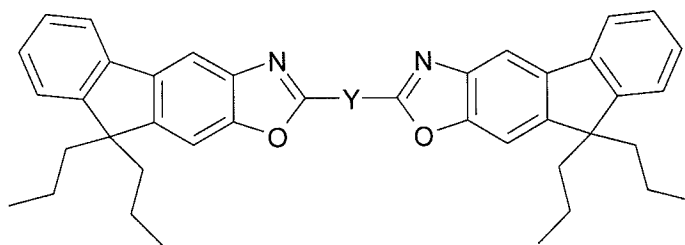
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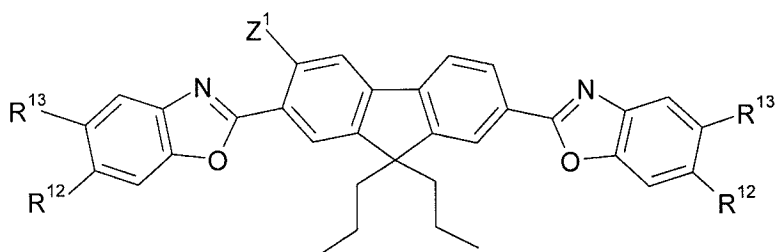
or:



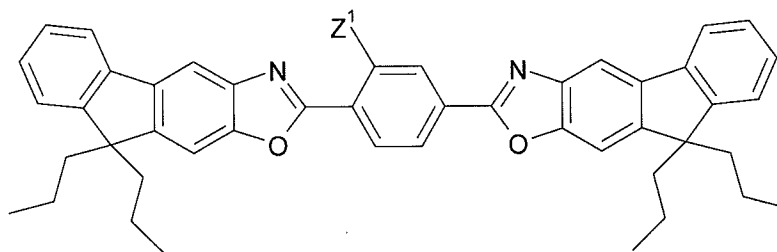
and reacting said compound under suitable conditions and with suitable reagents to form, respectively, a compound of formula:



or:



or:



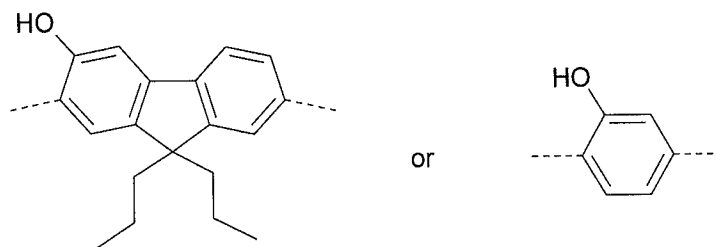
wherein:

$-Z^1$  is  $-OH$ ,  $-SH$ , a primary or secondary amine;

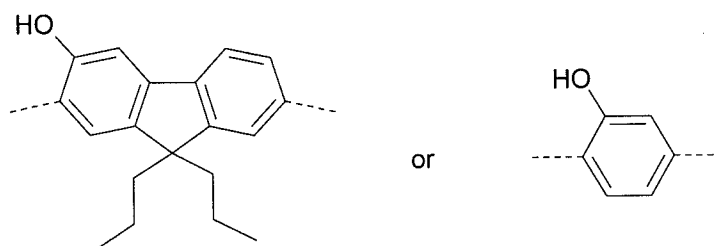
Y is an aromatic, carbocyclic or heterocyclic moiety substituted at least once with  $OH$  and optionally substituted with  $SH$ , primary, secondary or tertiary amine, nitro, nitroso, halogen, a substituted or unsubstituted, straight or branched  $C_{1-22}$  alkyl,  $C_{2-22}$  alkene,  $C_{2-22}$  alkyne, phenyl,  $C_{3-6}$  cycloalkyl;

$R^{12}$  and  $R^{13}$  are independently a substituted or unsubstituted, straight or branched  $C_{1-22}$  alkyl,  $C_{2-22}$  alkene,  $C_{2-22}$  alkyne, phenyl,  $C_{3-6}$  cycloalkyl, or together form an aromatic or non-aromatic 1 to 3 ring cyclic moiety.

19. (Withdrawn) The method of claim 17, wherein Y is chosen from:



20. (Previously presented) The compound of claim 3, wherein Y is chosen from :



21. (Previously presented) The method of claim 17, wherein  $Z^1$  is  $OH$ .